



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Saturday, December 8, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today

- **Winter weather with hazardous travel impacts continue for SE NM, the TX South Plains, W&NW TX, SW-Central-E OK, and Central-Northern AR.**
- **Areas of heavy rain/flash flooding across LA into extreme SE TX.**
- **Marginal risk area for severe thunderstorms across S-Central into SE LA.**

## Sunday - Wednesday

- **No significant weather impacts expected.**

## River Flooding

- **Widespread minor to moderate flooding is likely, with isolated major possible, for portions of Central and Southeast TX by the end of the week.**

# FEMA Region 6 Threat Matrix

Dec 8, 2018 – Dec 12, 2018



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| DAY / THREAT                | SAT  | SUN | MON | TUE | WED |
|-----------------------------|--|-----|-----|-----|-----|
| Severe Storms               | S-Central into SE LA   |     |     |     |     |
| Heavy Rain / Flash Flooding | LA into extreme SE TX  |     |     |     |     |
| Winter Weather              | SE NM, TX South Plains, W&NW TX, SW-Central-E OK, and Central-Northern AR. |     |     |     |     |
| Fire Weather                |  |     |     |     |     |
| River Flooding              | TX   | TX  | TX  | TX  | TX  |

|  |                                   |
|--|-----------------------------------|
|  | No Weather Threats Expected       |
|  | Very Common – Happens Often       |
|  | Common – Happens Frequently       |
|  | Uncommon – A Few Times a Year     |
|  | Rare – Once Every 1-5 Years       |
|  | Very Rare – Once Every 5-10 Years |

*\*Threat levels are based on FEMA Region 6 criteria.*

*State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



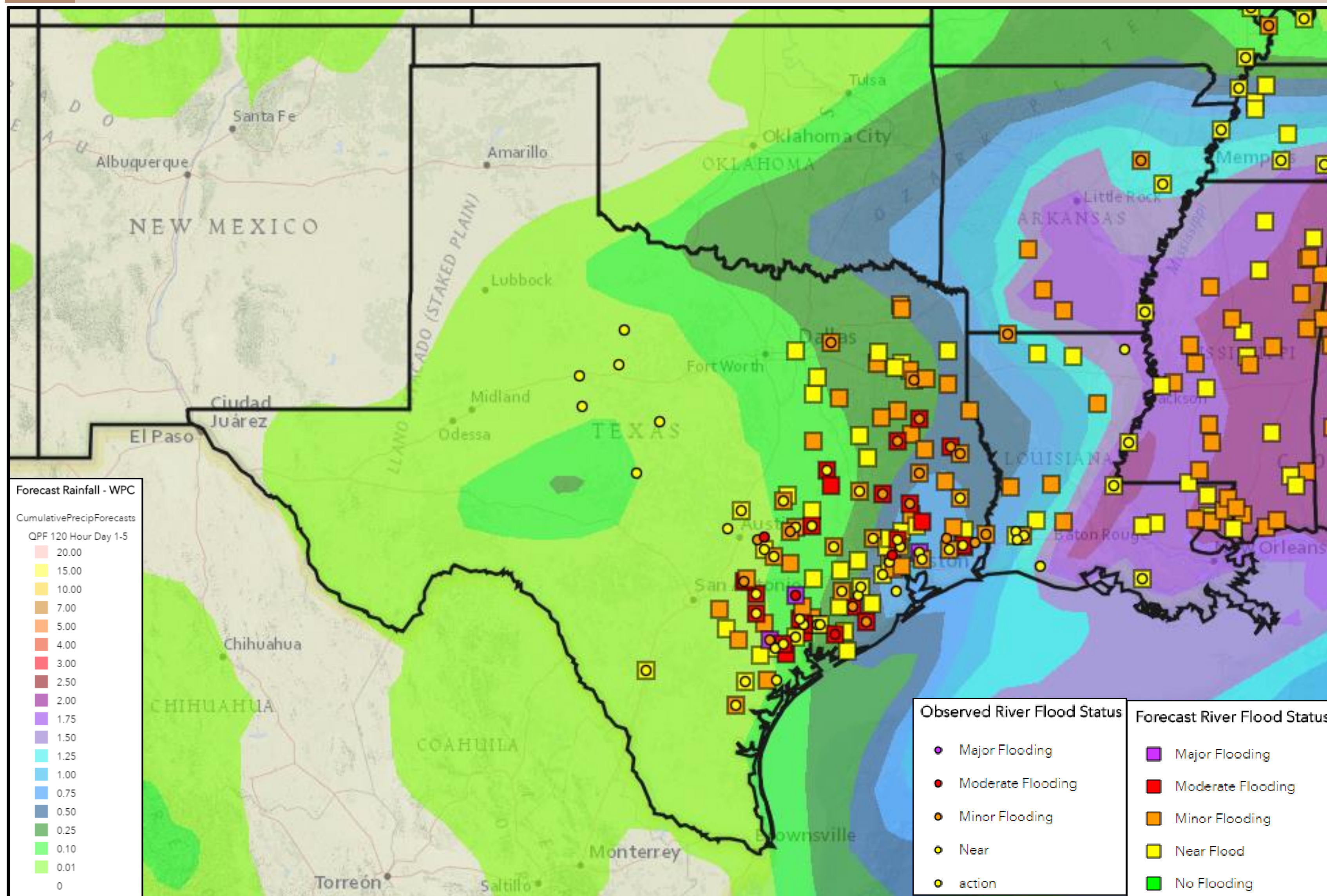
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Widespread rainfall is expected to continue through Saturday across portions of TX, which may lead to renewed river flooding for portions of Central, North, East, and Southeast Texas by the end of the week. Widespread minor to moderate flooding is likely, and isolated major is possible.**



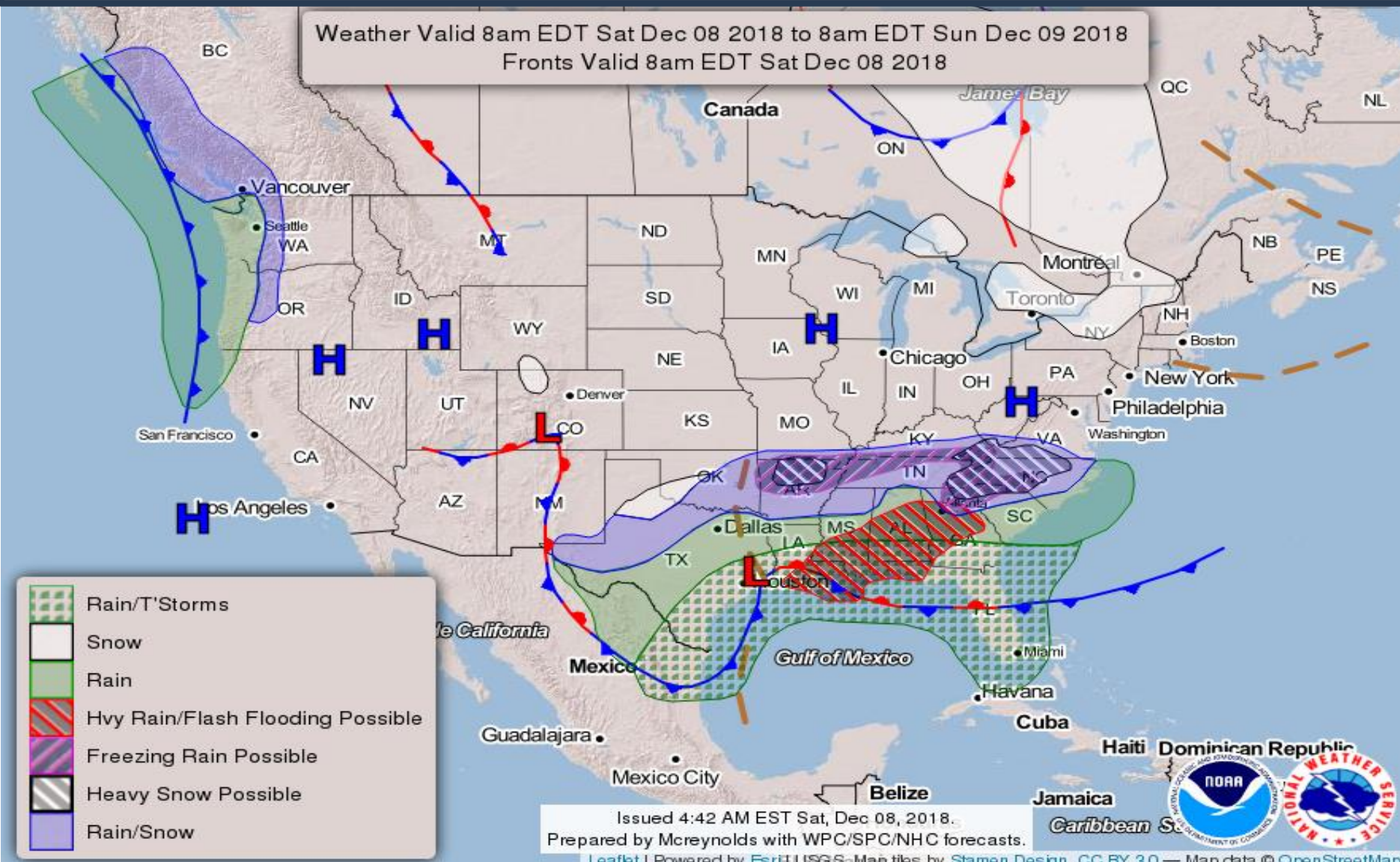


# Today's Weather

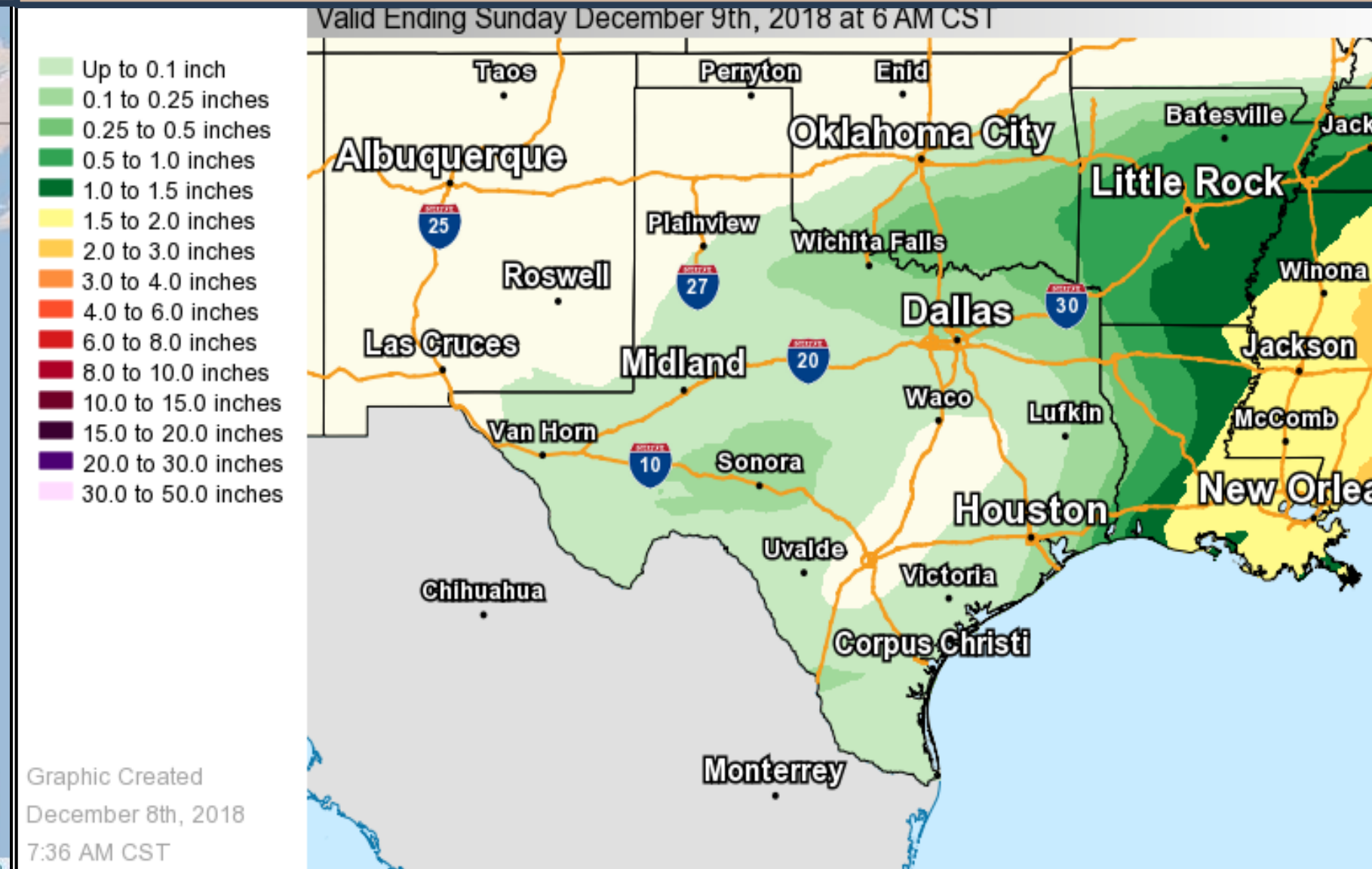


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# Forecast Chart



# Forecast Rainfall

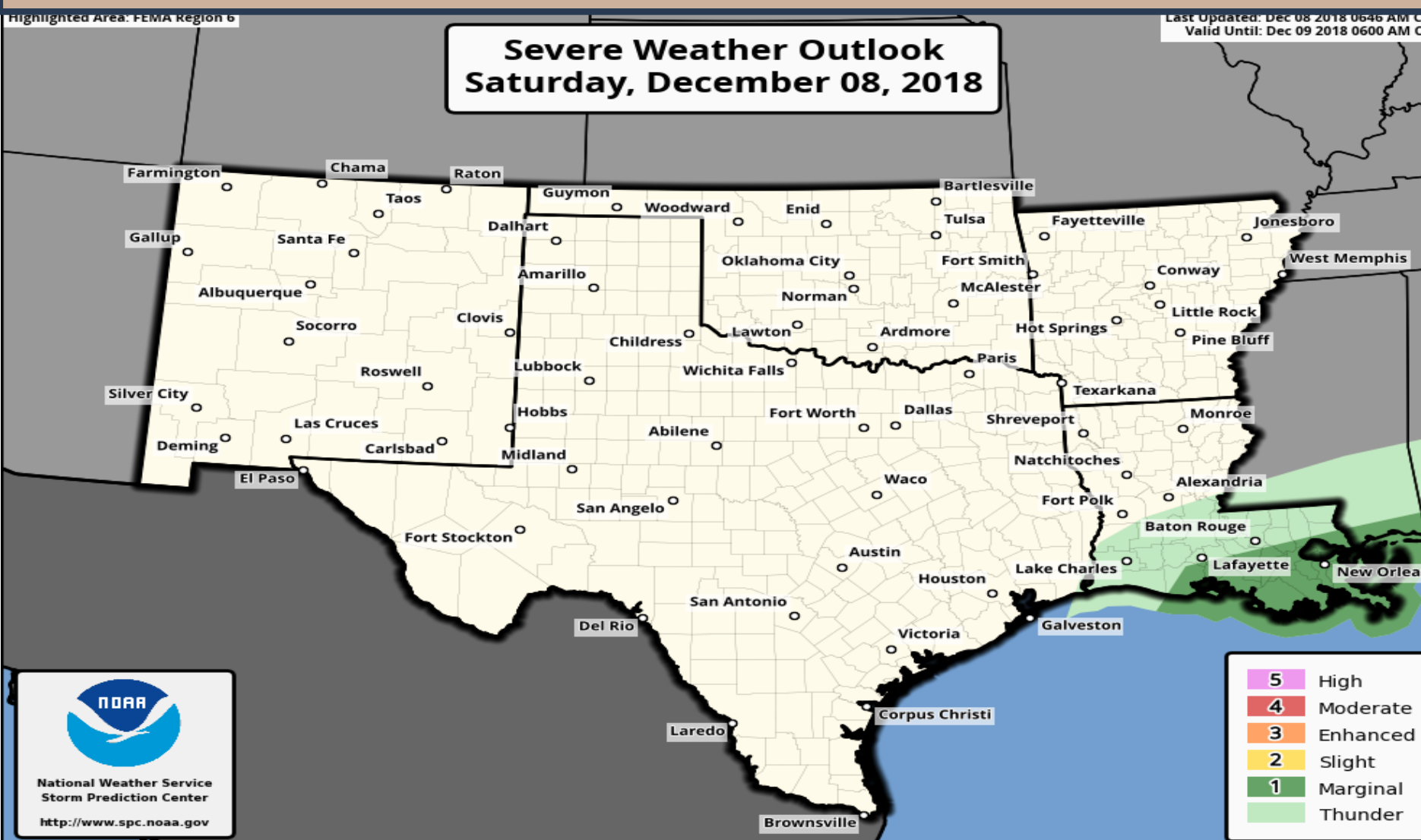


**Winter weather with hazardous travel impacts continue for the TX South Plains, W&NW TX, SW-Central-E OK, and Central-Northern AR.**

**Heavy rain/flash flooding possible for much of LA into extreme SE TX.**

**Marginal risk of severe storms across South-Central into Southeast LA.**

# Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

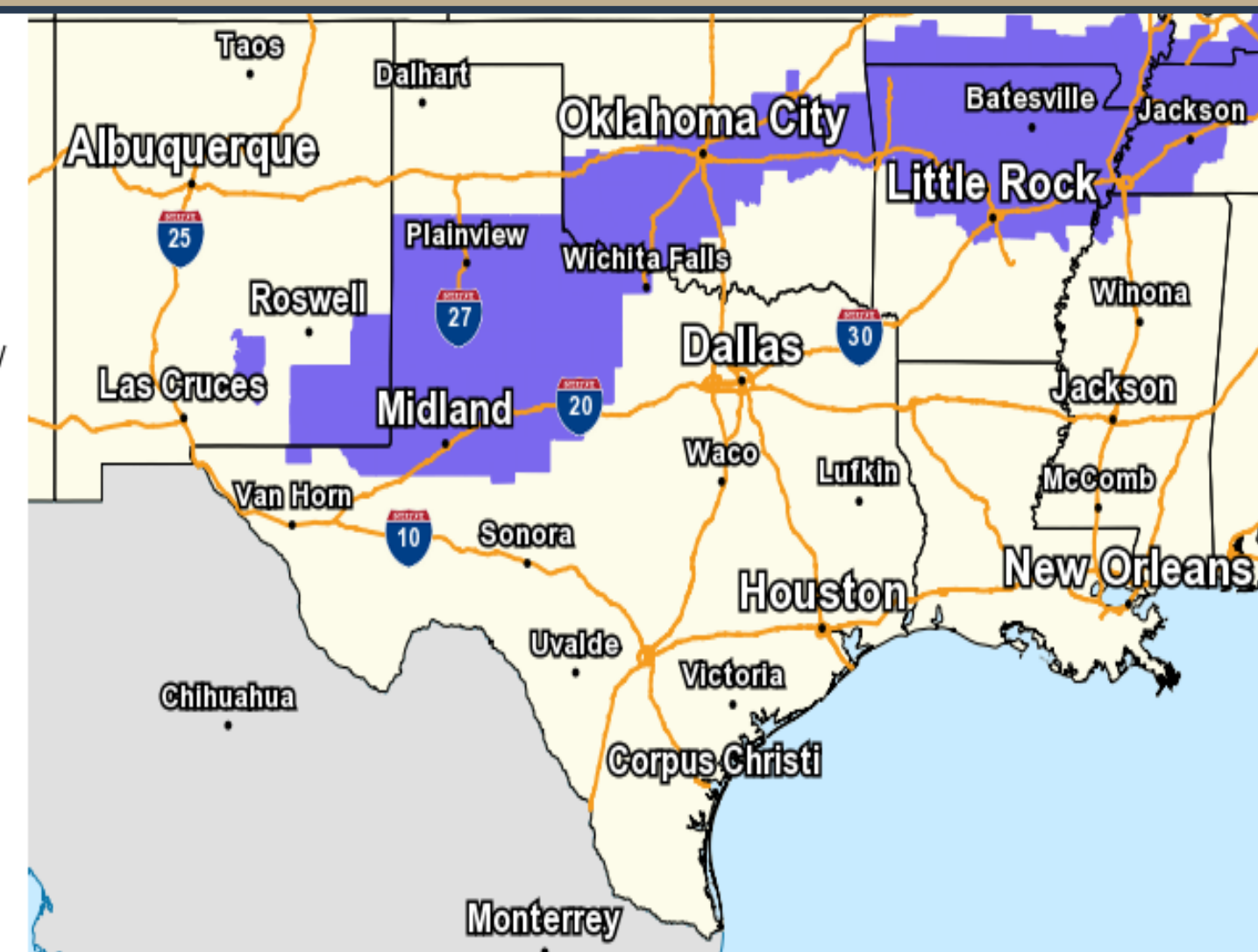
**Winter Weather Advisories** continue due to winter weather that has occurred or continued winter weather today across SE NM, the TX South Plains, W&NW TX, SW-Central-E OK, and Central-Northern AR. Hazardous travel conditions are the primary impact.

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

**Flash Flood/Flood Watches** in effect for much of LA into extreme southeast TX. Areas of heavy rain may cause flash flooding.

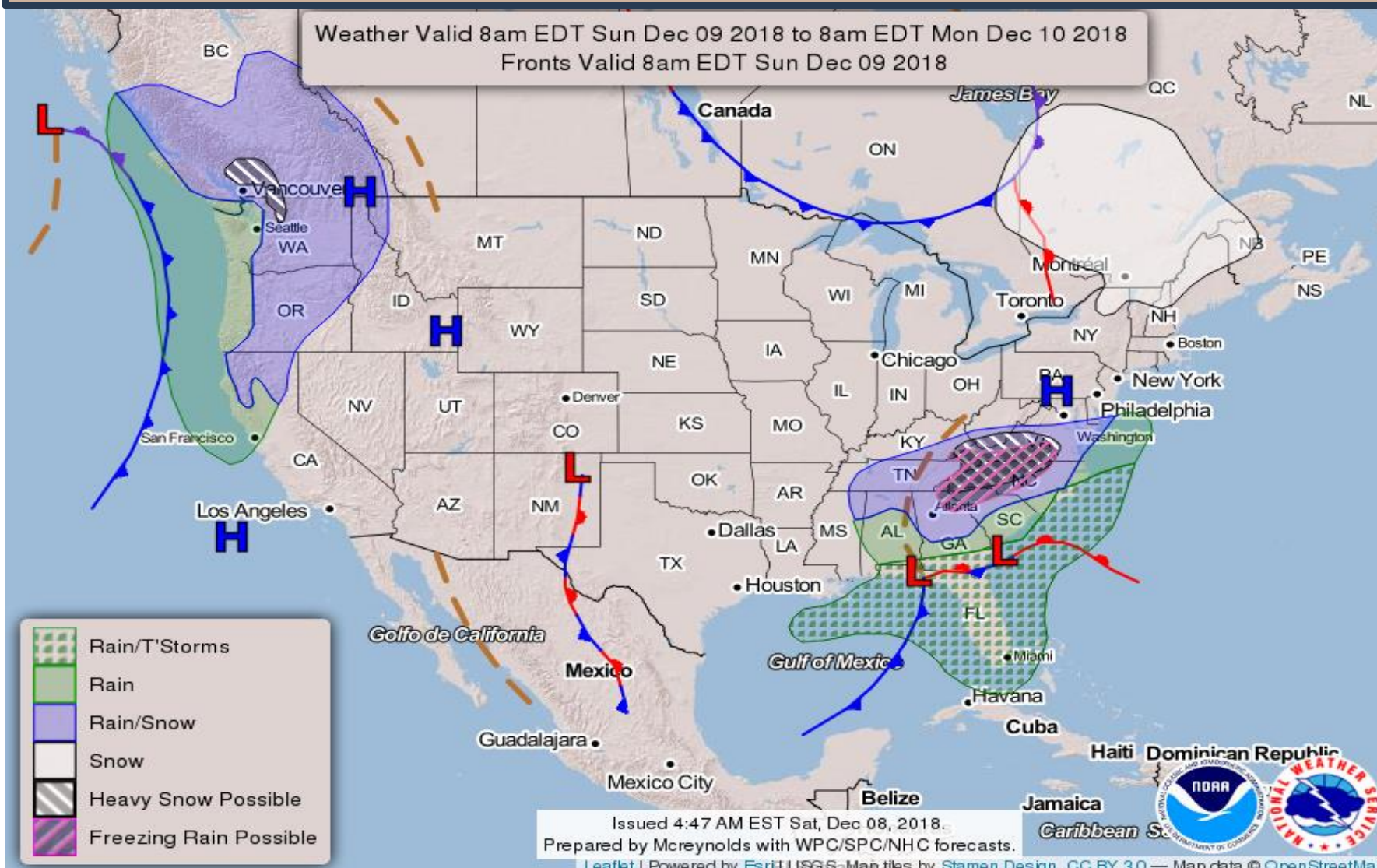


# Tomorrow's Weather

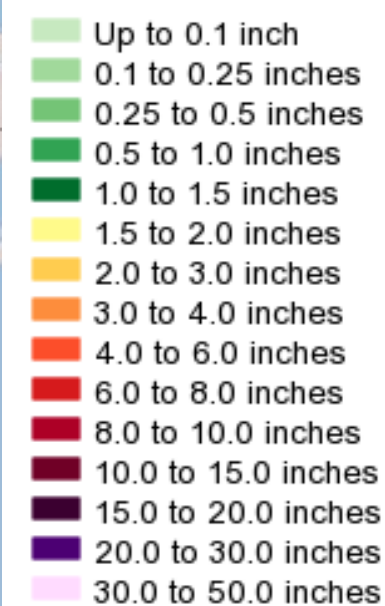


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## Forecast Chart



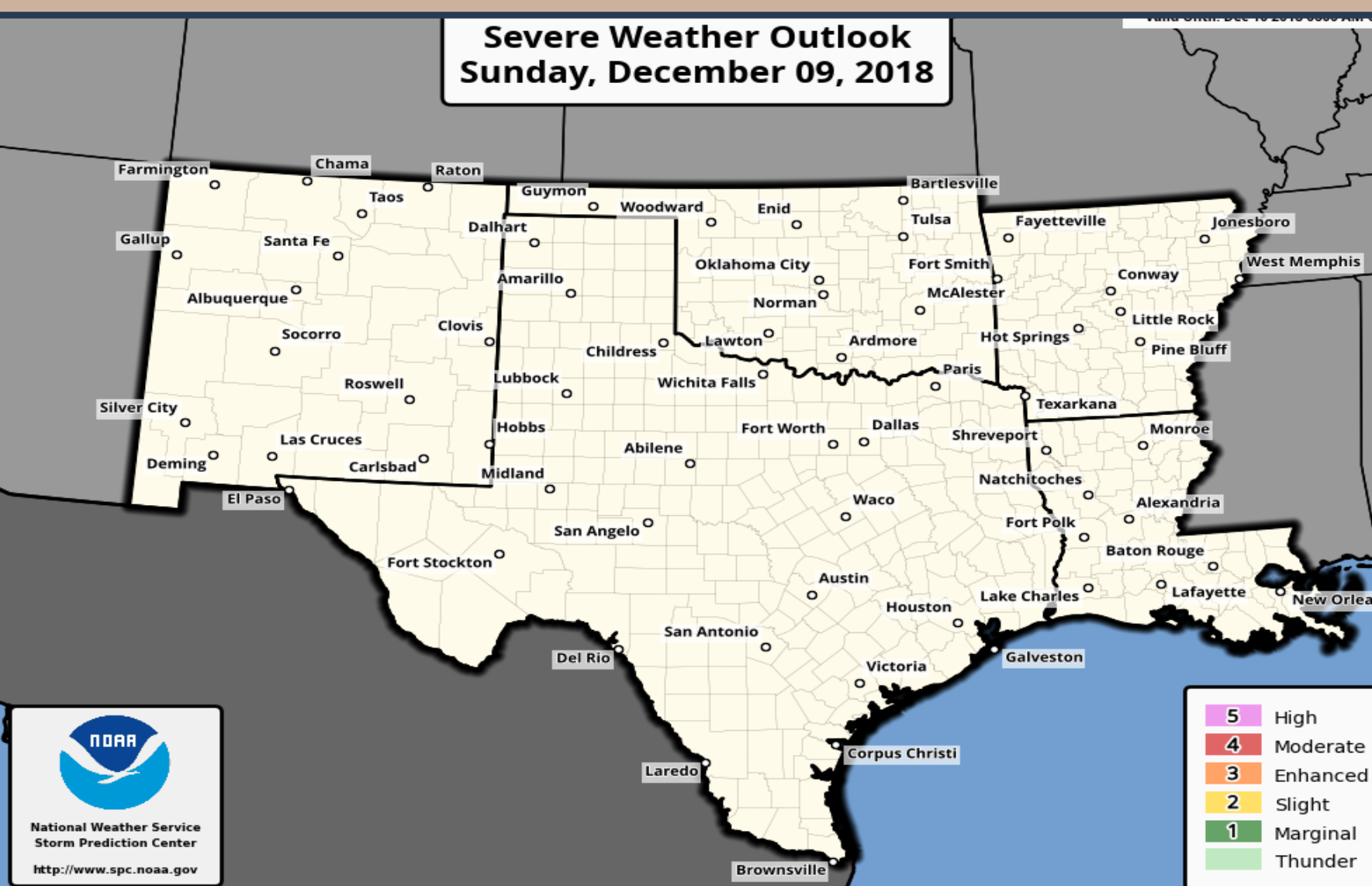
## Forecast Rainfall



Graphic Created  
December 8th, 2018  
7:36 AM CST

No significant weather  
impacts expected.

## Severe Weather Outlook



Graphic Created  
December 8th, 2018  
AM CST

## Excessive Rainfall Outlook



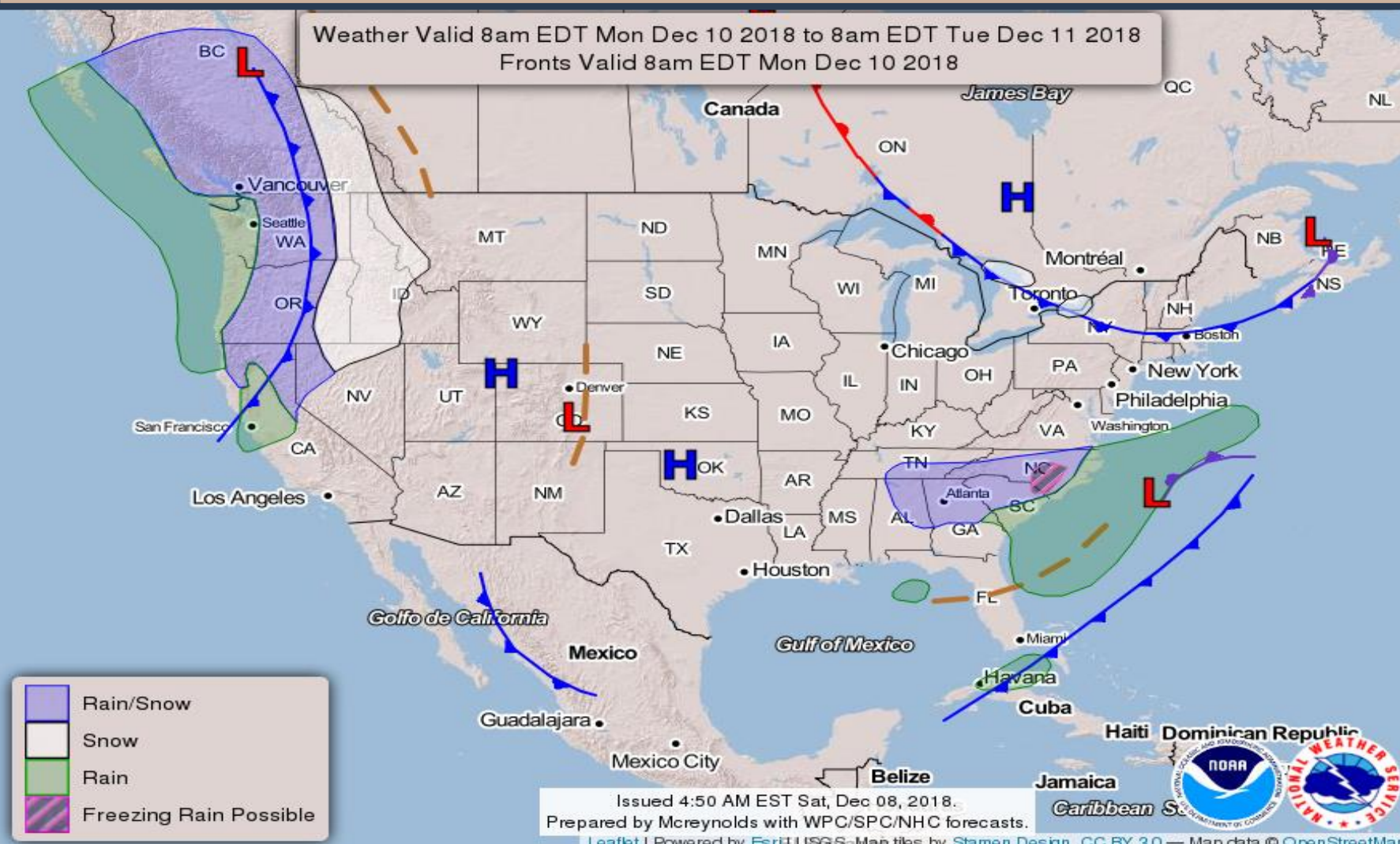


# Monday's Weather

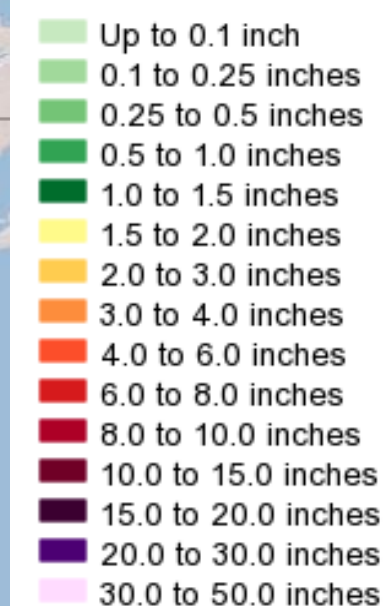


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## Forecast Chart



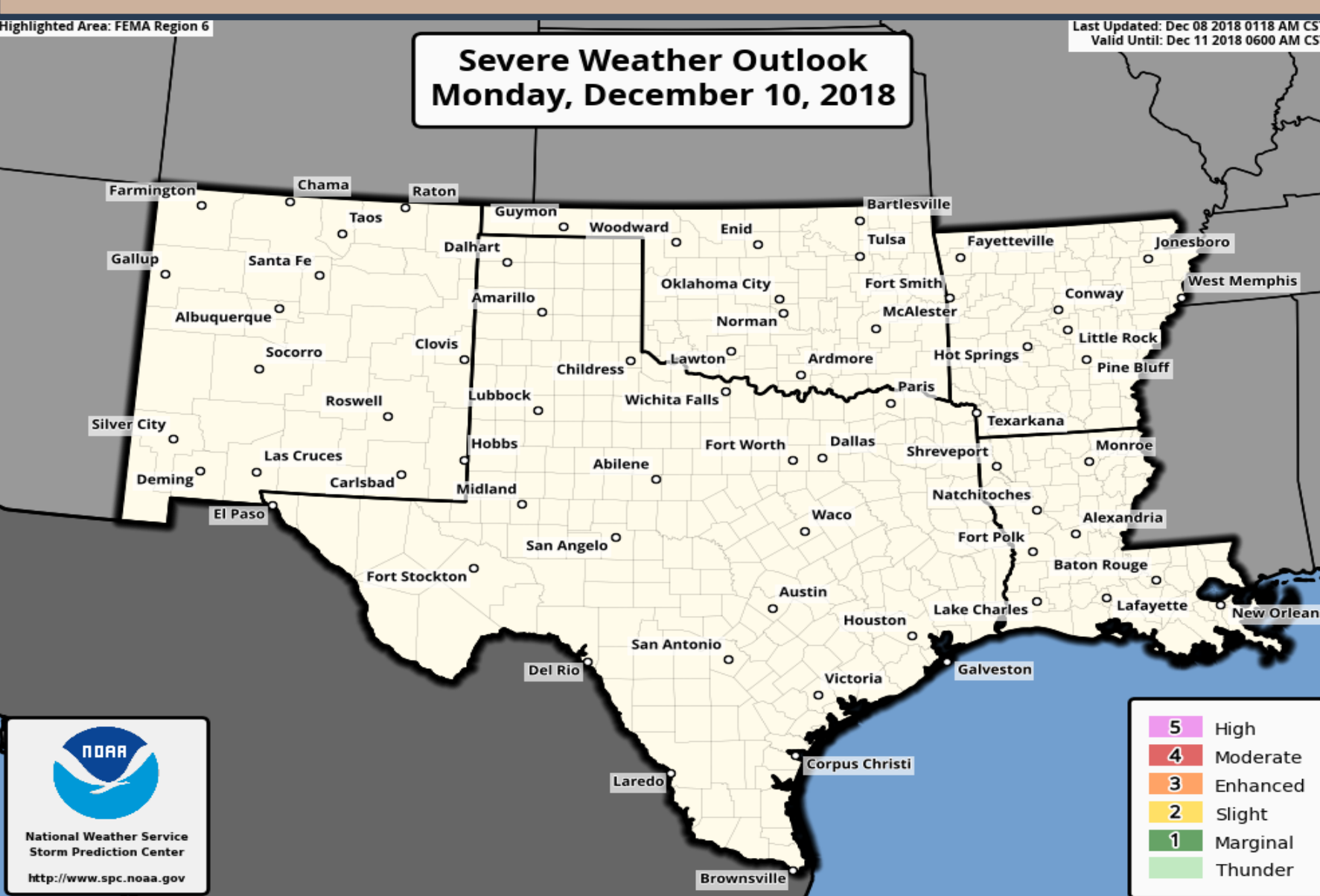
## Forecast Rainfall



No significant weather impacts expected.

## Severe Weather Outlook

Severe Weather Outlook  
Monday, December 10, 2018



## Excessive Rainfall Outlook



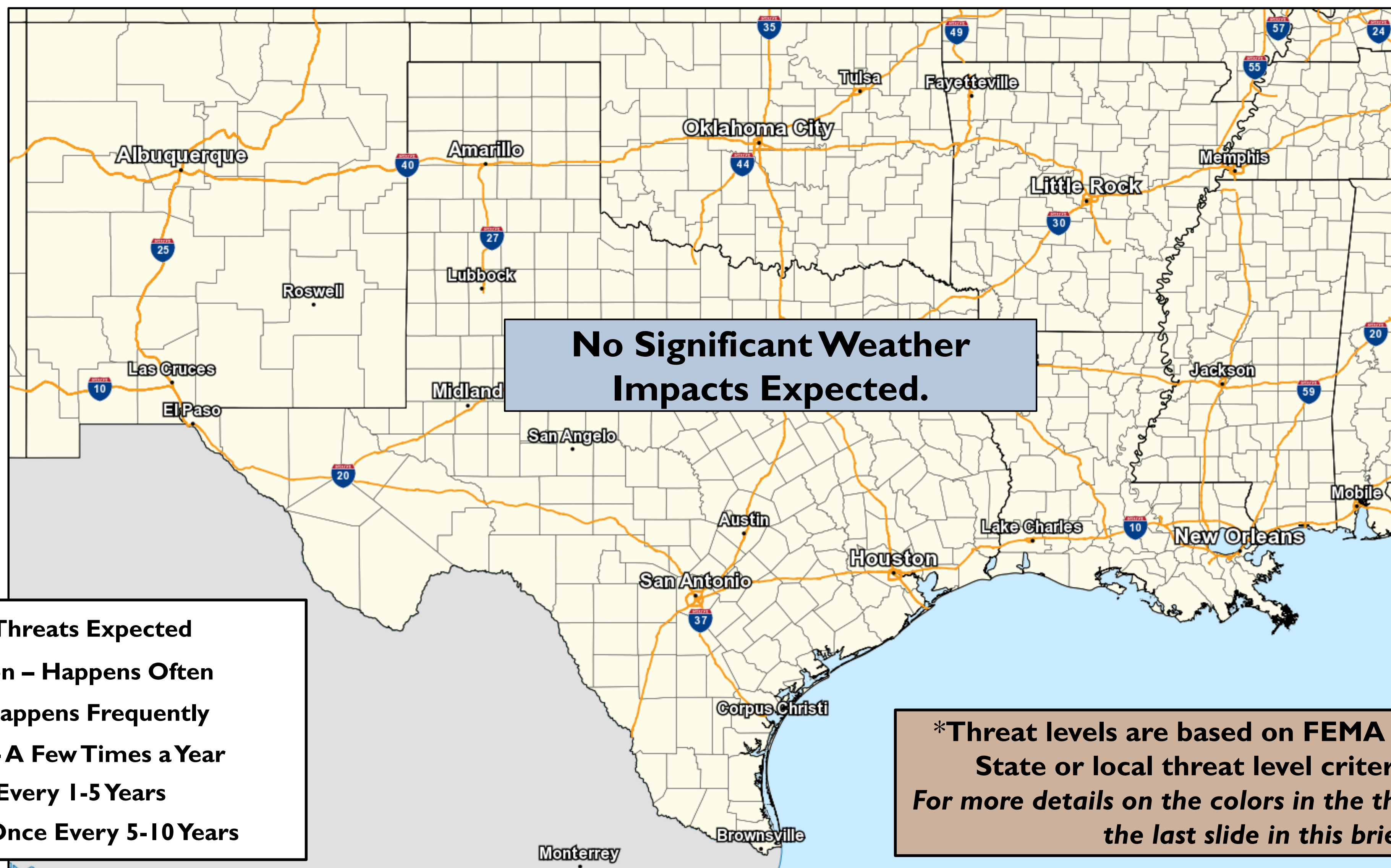


# Days 4-5 Weather Hazards

Tuesday - Wednesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\***  
*For more details on the colors in the threat matrix refer to  
the last slide in this briefing.*

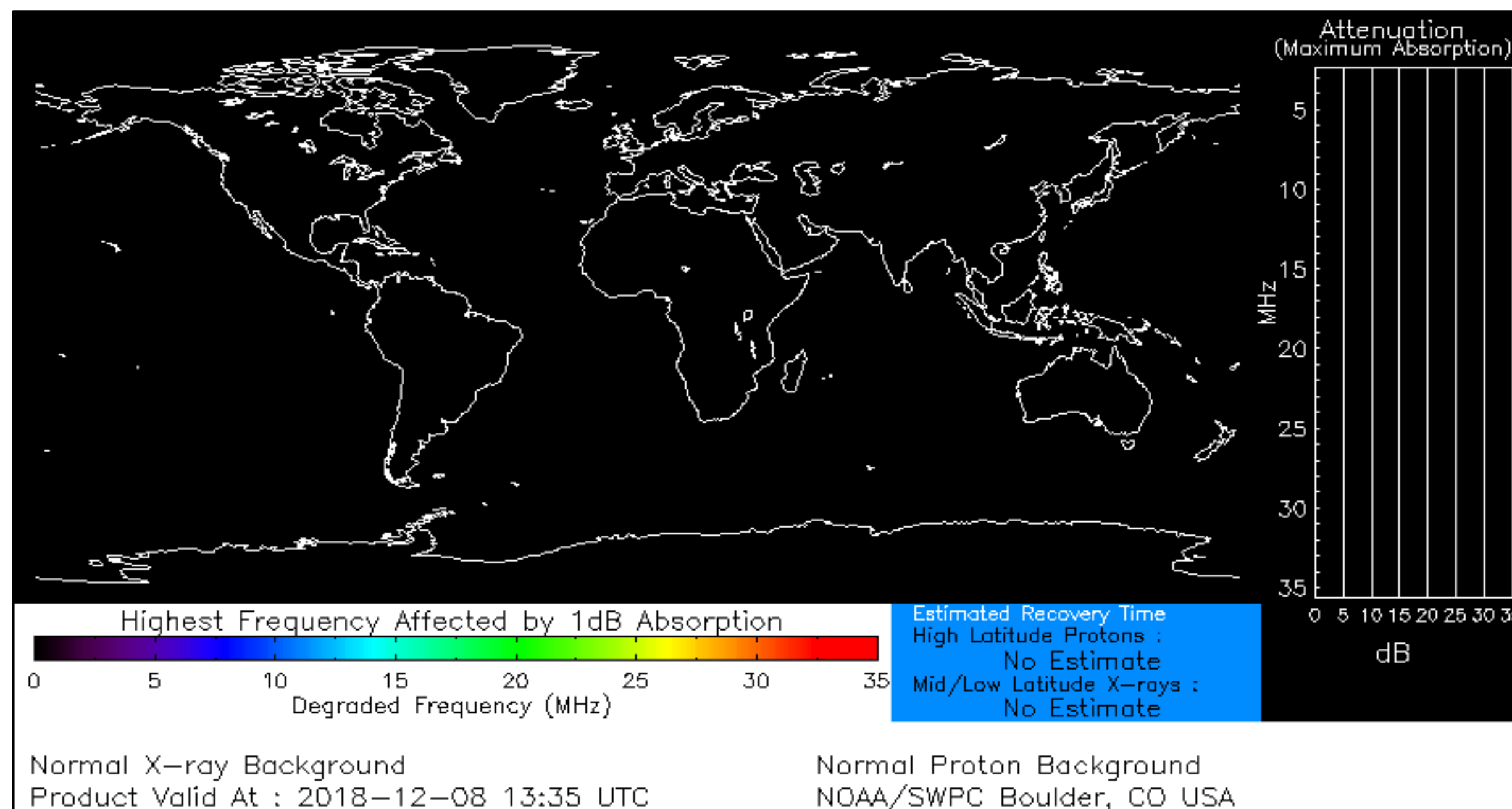


# Space Weather 3-Day Forecast



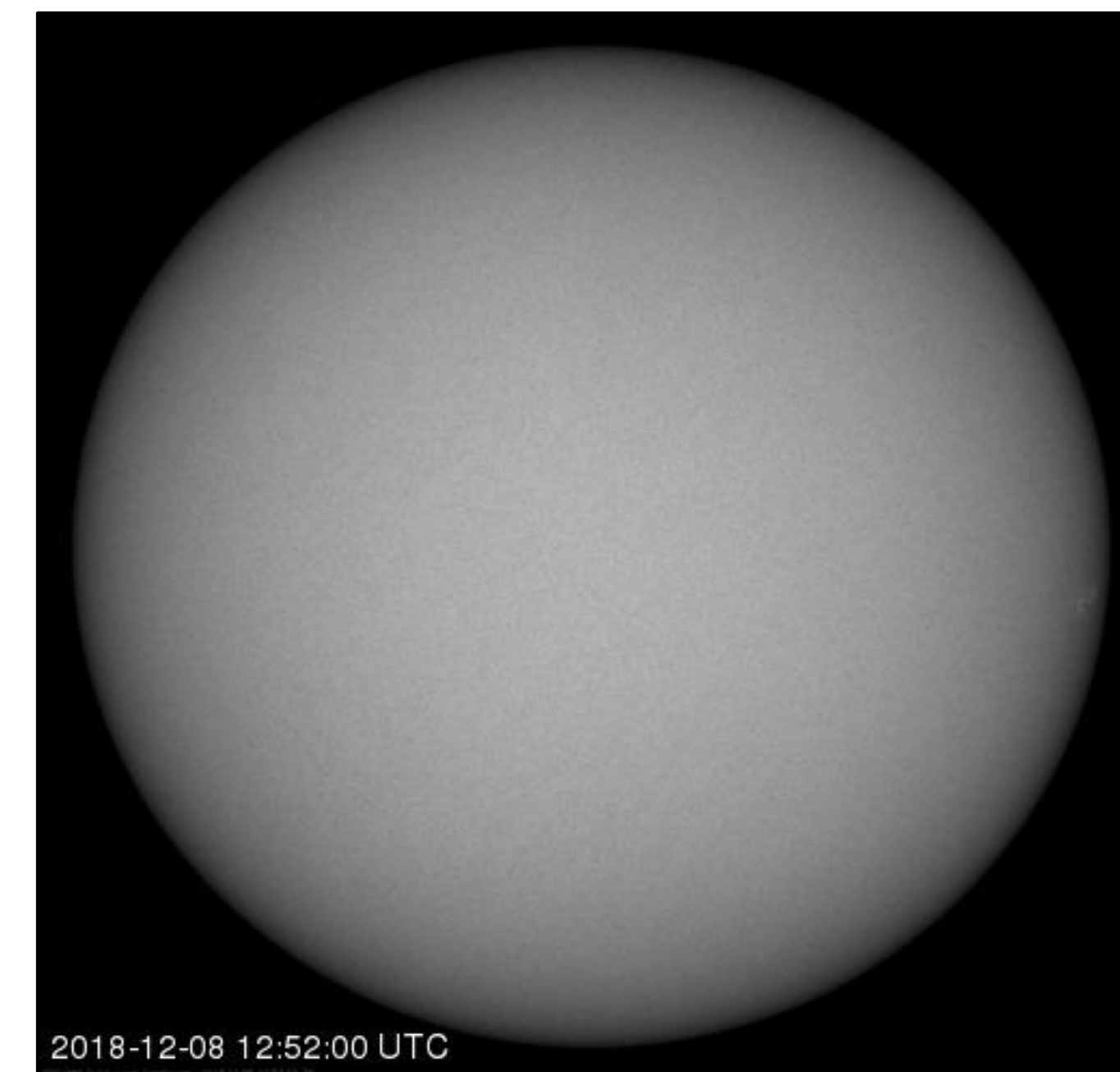
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|                                      | Saturday                                   | Sunday                        | Monday                        |
|--------------------------------------|--|-------------------------------|-------------------------------|
| <b>Geomagnetic Storms</b>            | <b>Quiet to Unsettled<br/>(Max Kp = 3)</b> | <b>Quiet<br/>(Max Kp = 2)</b> | <b>Quiet<br/>(Max Kp = 2)</b> |
| <b>Solar Radiation Storm (S1-S5)</b> | 1%   | 1%                            | 1%                            |
| <b>Radio Blackout (R1-R2)</b>        | 1%   | 1%                            | 1%                            |
| <b>Radio Blackout (R3-R5)</b>        | 1%   | 1%                            | 1%                            |



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





| Weather “Threat” Matrix |  |   |  |
|-------------------------|--|---|--|
| Color                   | Definition   | Criteria  | Example(s)   |
| Green                   | <b>Very Common</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Little Inconvenience to Daily Routines   | Severe: Marginal Risk from SPC<br>Flooding: Minor flooding expected over localized areas<br>Tropical: None<br>Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active   | <ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>   |
| Yellow                  | <b>Somewhat Common – Happens Frequently</b><br>Safety: Rarely a Direct Threat to Life and Property<br>Impact Potential: Typically Results in Some Inconvenience to Daily Life  | Severe: Slight Risk from SPC<br>Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas<br>Tropical: A weak tropical wave expected to move towards or near any coastline<br>Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook   | <ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>   |
| Orange                  | <b>Uncommon – A Few Times a Year</b><br>Safety: Often Threatening to Life and Property, Some Damage Unavoidable<br>Impact Potential: Typically Results in Minor Disruption to Daily Life                                     | Severe: Enhanced Risk from SPC<br>Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas<br>Tropical: A Tropical Storm expected to move towards or near any coastline<br>Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions | <ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul> |
| Red                     | <b>Rare – Once every 1-5 Years</b><br>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed<br>Impact Potential: Will likely result in Large Disruption to Daily Life                            | Severe: Moderate Risk from SPC<br>Flooding: Moderate flooding expected over a widespread area (including urban locations)<br>Tropical: A Hurricane expected to move towards or near any coastline<br>Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought  | <ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>                                    |
| Purple                  | <b>Very Rare – Once Every 5-10 Years</b><br>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed<br>Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC<br>Flooding: Major flooding expected over a widespread area (including urban locations)<br>Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline<br>Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought                            | <ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>  |

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**